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FOREST SOILS BIBLIOGRAPHY FOR THE NORTH-CENTRAL REGION (Including Subject Matter Index Through 1972)

Willard H. Carmean

NORTH CENTRAL FOREST EXPERIMENT STATION
FOREST SERVICE
U.S. DEPARTMENT OF AGRICULTURE

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Includes 793 publications dealing with forest soils in the North-Central States (Minnesota, Wisconsin, Michigan, Iowa, Missouri, Illinois, and Indiana); Ohio; and the Northern Plains States (Kansas, Nebraska, and the Dakotas). Includes some publications from other regions considered applicable to conditions in the North-Central Region.

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FOREWORD

This bibliography includes forest soils literature for the North-Central States (Minnesota, Wisconsin, Michigan, Iowa, Missouri, Illinois, and Indiana); Ohio; and the Northern Plains States (Kansas, Nebraska, and the Dakotas). Publications from other regions were included when applicable to conditions in the North-Central Region.

This is a large region covering many diverse soil, topographic, climatic, and vegetal conditions. The field of forest soils also is diverse, and thus forest soils literature for this region has become varied and voluminous. We hope this bibliography will not only be a helpful reference, but also perhaps will partially reveal the present level of forest soils knowledge for the North-Central Region.

The bibliography was begun by the Forest Soils Committee of the North Central Regional Work Planning Conference of the National Cooperative Soil Survey. The author extends his thanks to the many committee members who reviewed the bibliography and who provided citations for their particular States. Appreciation also is extended to the many other University, State, and Federal soil scientists who provided citations and helpful suggestions.

The bibliography is arranged in alphabetical order by author. An index provides a list of references by subject matter; tables summarizing site index curves and soil-site studies also are included. We would appreciate being notified of any errors, and also we would be glad to know of any publications that were omitted and should be included in a future supplement.

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Table 1. *Site index curves for conifer forest specis*

Tree species	Area	Citation
Southern pines	Southern U.S.	USDA, FS (634)
Shortleaf & loblolly pine	Piedmont	Coile & Schumacher (146)
Shortleaf pine plantations	S. Illinois	Gilmore & Metcalf (266)
Loblolly pine plantations	S. Illinois	Gilmore & Metcalf (267)
Pitch pine	Pennsylvania	Illick & Aughanbaugh (329)
Virginia pine	Piedmont	Chaiken & Nelson (132)
do	N. Carolina	Slocum & Miller (552)
do	W. Virginia	Kulow et. al. (354)
Jack, red, and white pines	Lake States	Brown & Gevorkiantz (110)
Jack pine	Lake States	Sterrett (558)
do	Lake States	Eyre & LeBarron (189)
do	Lake States	Wackerman et. al. (650)
do	Lake States	Gevorkiantz (240)
Red pine	Lake States	Gevorkiantz (247)
do	N. Minnesota	Eyre & Zehngraff (190)
Red pine plantations	Illinois	Gilmore (259)
do	Connecticut	Bull (113)
White pine	Lake States	Gevorkiantz (246)
do	N. England & Mid-Atlantic	Frothingham (222)
do	S. Appalachians	Doolittle & Vimmerstedt (179)
do	S. Appalachians	Beck (78, 79)
White pine plantations	S. Appalachians	Vimmerstedt (645)
do	Illinois	Gilmore (260)
Ponderosa pine windbreaks	Nebraska	Sander (508)
Austrian pine windbreaks	Nebraska	Sander (509)
Red-cedar	Tennessee Valley	Hampf (288)
White spruce	Lake States	Gevorkiantz (245)
Black spruce	Lake States	Gevorkiantz (244)
do	Minnesota	Fox & Kruse (213)
do	Minnesota	LeBarron (373)
Spruces & balsam fir	N. Michigan	Bowman (100)
do	Northeast	Meyer (437)
Balsam fir	Lake States	Gevorkiantz (242)
White-cedar	Lake States	Gevorkiantz (243)
Tamarack	Lake States	Gevorkiantz (249)
European and Japanese larch	New York	Aird & Stone (5)

Table 2. — *Site index curves for hardwood forest species*

Tree species	Area	Citation
Upland oaks	Eastern States	Schnur (538)
do	Piedmont & S. Appalachians	Olson (459)
do	Michigan	Brown & Gevorkiantz (110)
Red oak	Lake States	Gevorkiantz (248)
Black, white, scarlet and chestnut oaks	Central States	Carmean (129, 130)
Red and white oaks	Arkansas	Graney and Bower (274)
Hickory	Central States & Appalachians	Boison and Newlin (99)
Yellow-poplar	Central States & Appalachians	McCarthy (416)
do	Piedmont & S. Appalachians	Beck (77)
Sugar maple, yellow birch, white ash, paper birch	Vermont	Curtis & Post (158)
Sugar maple, white ash	Vermont	Harrington & Howard (198)
Sugar maple	Vermont	Hawes & Chandler (303)
do	New York	Farnsworth & Leaf (197)
Red maple	Connecticut & Massachusetts	Hampf (288)
Beech	Northeast	Hampf (288)
Black cherry	New York	Hampf (288)
Paper birch	N. Wisconsin	Cooley (149, 150)
Aspens	Lake States	Kittredge & Gevorkiantz (343)
do	Lake States	Brown & Gevorkiantz (110)
do	Lake States	Gevorkiantz (241)
Black walnut plantations	Central States	Kellogg (336)
Black locust plantations	Central States	Kellogg (337)
Sweetgum	Maryland	Trenk (623)
do	South	Winters & Osbourne (775)
do	Mississippi Valley	Broadfoot & Krinard (109)
Cottonwood	Mississippi Valley	Broadfoot (107)
do	Central States	Neebe & Boyce (454)
Cherrybark oak	Mississippi Valley	Broadfoot (108)
Silver maple	Iowa	Brendemuehl et. al. (104)
Elm	Iowa	Brendemuehl et. al. (103)
Siberian elm windbreaks	Nebraska & Kansas	Sander (510)

Table 3. — *Soil-site studies for conifers*

Tree species	Area	Citation
Shortleaf pine	Missouri Ozarks	Fletcher & McDermott (207)
do	Missouri Ozarks	Nash (453)
do	Missouri Ozarks	Hartung & Lloyd (302)
do	Arkansas	Graney & Ferguson (275)
Shortleaf pine plantations	Missouri	Dingle & Burns (176)
do	S. Illinois	Gilmore (257)
Loblolly pine plantations	S. Illinois	Gilmore (258)
Red & white pine plantations	SE. Ohio & S. Indiana	Gaiser & Merz (230)
Red, white, and jack pine plantations	Wisconsin	Wilde et. al. (733-737, 742, 759)
Red pine plantations	Lower Michigan	Van Eck & Whiteside (637, 638)
do	Lower Michigan	Hannah (291)
do	Minnesota	Scott & Duncan (543)
do	New York	Richards et. al. (494)
do	New York	DeMent & Stone (168)
do	Massachusetts	Mader & Owen (408)
Red pine	Minnesota	Alban (8)
Jack pine	Minnesota	Pawluk & Arneman (463)
do	Minnesota	Pluth & Arneman (473)
do	N. Ontario	Chrosciewicz (138)
Black spruce	Quebec & Ontario	Lowry (393)
do	Quebec & Ontario	Vallee & Lowry (636)
Ponderosa pine	Black Hills	Myers & Van Deusen (452)
do	Black Hills	Mogren (447)
Redcedar	Missouri Ozarks	Arend & Collins (32)
European & Japanese larch	New York	Aird & Stone (5)

Table 4. — *Soil-site studies for hardwoods*

Tree species	Area	Citation
White oak	SE. Ohio	Gaiser (225)
do	SE. Ohio	Merz (432)
Black oak	SE. Ohio	Carmean (119-121, 124)
White & Black oaks	S. Indiana	Hannah (289, 290)
Upland oaks	NE. Iowa	Einspahr & McComb (187)
do	Arkansas Ozarks	Arend & Julander (35)
do	Missouri Ozarks	Hartung & Lloyd (302)
do	Iowa	Countryman & Thomson (153)
do	S. Michigan	Gysel & Arend (33, 282)
do	West Virginia	Trimble & Weitzman (627)
do	N. Appalachians	Lloyd & Lemmon (384)
Cherrybark oak	Mississippi Valley	Broadfoot (108)
Yellow-poplar, sweetgum, cherrybark oak	W. Tennessee	Hebb (305)
Yellow-poplar	Central States	Auten (52)
Yellow-poplar plantations	W. Indiana	Tryon et. al. (628)
do	S. Illinois	Gilmore et. al. (265)
Sugar maple	New England & Lake States	Post (474)
Northern hardwoods	N. Michigan	Westveld (665)
do	Vermont	Post & Curtis (476)
do	Vermont	Farrington & Howard (198)
do	New York	Farnsworth & Leaf (197)
Yellow & paper birch	New England & Lake States	Post et. al. (475)
Paper birch	N. Wisconsin	Cooley (150)
Trembling aspen	Minnesota & Wisconsin	Kittredge (340)
do	Minnesota & Wisconsin	Stoeckeler (571, 576)
do	N. Minnesota	Voigt et. al. (647)
do	N. Minnesota	Meyer (436)
do	N. Minnesota	Strothmann (607)
do	Wisconsin	Wilde & Pronin (752, 753)
do	Wisconsin	Fralish & Loucks (214)
Bigtooth aspen	Lower Michigan	Graham & Harrison (271)
do	Lower Michigan	Zahner & Crawford (783)
Black walnut plantations	SE. Iowa	Thomson & McComb (616, 618)
do	S. Illinois	Carmean (123)
do	S. Illinois	Losche (388)
Black walnut & black locust plantations	Central States	Auten (51)
Black walnut & green ash plantations	SE. Iowa	Hansen & McComb (296, 299)
Siberian elm windbreaks	Nebraska	Sander (512)
Sweetgum	Mississippi Valley	Broadfoot & Krinard (109)
Cottonwood	Mississippi Valley	Broadfoot (107)
Hybrid poplar plantations	Ohio	Kriebel et. al. (349)
Western catalpa plantations	Oklahoma	Walker & Reed (652)

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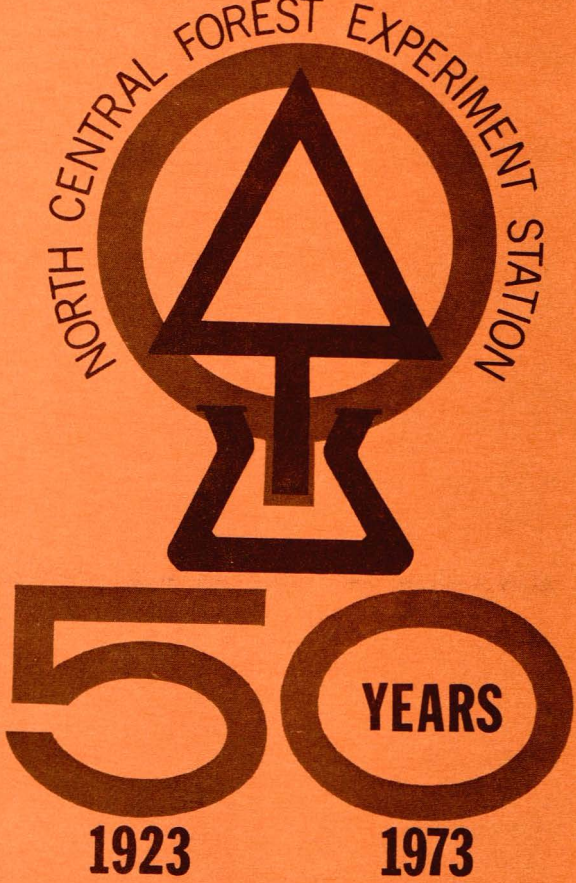
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